

ABSTRACT

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3 An electrically operated fast-food service window with a plurality of
4 upwardly focused infrared emitter/receivers mounted on the ~~internal side of a~~
~~fast-food service window in a manner such to emit an infrared beam at an angle~~
~~slightly askew of the vertical axis. The sensors are used to reliably detect an~~
5 ~~employee in the immediate proximity of a fast-food service window as the clerk~~
6 ~~adjacent to and attached to the fast-food service window~~
7 ~~bends over the horizontal service shelf as the clerk begins to reach towards a~~
8 ~~customer. The sensors, although focused towards the interior of a building, do~~
9 ~~not detect employees or traffic in the immediate vicinity of the fast-food service~~
10 ~~window thereby virtually eliminating the unintentional opening of the window.~~
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12 The uniquely oriented sensors are connected to an electric motor operator which
13 opens the window as an employee prepares to deliver merchandise or other
14 items to a customer. As the clerk retreats from the fast-food service window
15 area, the sensors then detect the absence of the clerk thereby causing the motor
16 operator to close the fast-food service window.

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